

Product Datasheet

STT3A Antibody (4D4) - Azide and BSA Free H00003703-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00003703-M02

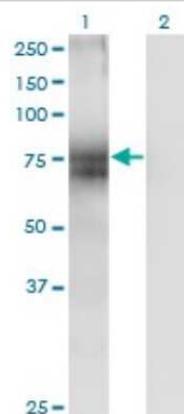
STT3A Antibody (4D4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4D4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3703
Gene Symbol	STT3A
Species	Human
Specificity/Sensitivity	ITM1 - integral membrane protein 1
Immunogen	ITM1 (NP_689926, 603 a.a. ~ 701 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GGSTDTGKHIKENDYYTPTGFRVDREGSPVLLNCLMYKMCYYRFGQVYTEA KRPPGFDRVRNAEIGNKDFELDVLEEAYTTEHWLVRIYKVKDLNDRG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against recombinant protein for WB.

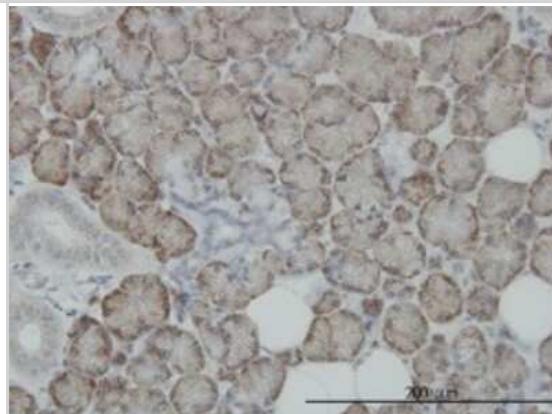


Images

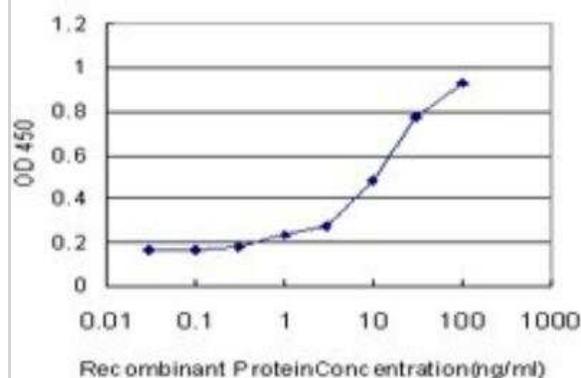
Western Blot: STT3A Antibody (4D4) [H00003703-M02] - Analysis of ITM1 expression in transfected 293T cell line by ITM1 monoclonal antibody (M02), clone 4D4. Lane 1: ITM1 transfected lysate(80.5 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: STT3A Antibody (4D4) [H00003703-M02] - Analysis of monoclonal antibody to ITM1 on formalin-fixed paraffin-embedded human salivary gland. Antibody concentration 3 ug/ml.



ELISA: STT3A Antibody (4D4) [H00003703-M02] - Detection limit for recombinant GST tagged ITM1 is approximately 1ng/ml as a capture antibody.



Publications

Aaron JO Lewis, Frank Zhong, Robert J Keenan, Ramanujan S Hegde, Adam Frost, Volker Dötsch Structural analysis of the dynamic ribosome-translocon complex eLife 2024-06-18 [PMID: 38896445]

McGilvray PT, Anghel SA, Sundaram A et al. An ER translocon for multi-pass membrane protein biogenesis eLife 2020-08-21 [PMID: 32820719] (Electron Microscopy)

Sundaram A, Yamsek M, Zhong F et al. Substrate-driven assembly of a translocon for multipass membrane proteins Nature 2022-11-03 [PMID: 36261522]

Roboti P, High S. Keratinocyte-associated protein 2 is a bona fide subunit of the mammalian oligosaccharyltransferase. J Cell Sci. 2012-01-20 [PMID: 22266900]

Cherepanova Natalia A, Shrimal Shiteshu, Gilmore Reid. Oxidoreductase activity is necessary for N-glycosylation of cysteine-proximal acceptor sites in glycoproteins. J Cell Biol. 2014-08-18 [PMID: 25135935] (Human)



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Limitations

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